



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/506, 443

Source: PCT

Date Processed by STIC: 9/14/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/506,443

DATE: 09/14/2004

TIME: 10:11:21

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

*Foreign language is
NOT permitted in
U.S. Applications.*

3 <110> APPLICANT: Sahin Dr., Ugur

4 Tureci Dr., Ozlem

5 Koslowski Dr., Michael

7 <120> TITLE OF INVENTION: Differentiell in Tumoren exprimierte Genprodukte und deren
Verwendung

9 <130> FILE REFERENCE: 342-3PCT

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/506,443

C--> 11 <141> CURRENT FILING DATE: 2004-09-01

11 <160> NUMBER OF SEQ ID NOS: 100

13 <170> SOFTWARE: PatentIn version 3.1

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 1171

17 <212> TYPE: DNA

18 <213> ORGANISM: Homo sapiens

20 <400> SEQUENCE: 1

21	ctgtcggttg	tgtatttttc	tggtgtcact	tctgtgcctt	ccttcaaagg	ttctccaaat	60
23	gtcaactgtc	aaggagcagc	taattgagaa	gctaattgag	gatgatgaaa	actcccagtg	120
25	taaaattact	attggttgaa	ctggtgccgt	aggcatggct	tgtgctatta	gtatcttact	180
27	gaagatttg	gctgatgaac	ttgcccttgt	tgatgttgca	ttggacaaac	tgaagggaga	240
29	aatgatggat	cttcagcatg	gcagcttttt	ctttagtact	tcaaagatta	cttctggaaa	300
31	agattacagt	gtatctgcaa	actccagaat	agttattgtc	acagcagggtg	caaggcagca	360
33	ggagggagaa	actgcgcttg	ccctgggtcca	acgtaatgtg	gctataatga	aatcaatcat	420
35	tcctgccata	gtccattata	gtcctgattg	taaaattcct	gttgtttcaa	atccagtggg	480
37	tattttgaca	tatatagtct	ggaagataag	tggttacctt	gtaactcgtg	taattggaag	540
39	tggttgtaat	ctagactctg	cccgtttccg	ttacctaat	ggagaaaagt	tggtgttcca	600
41	ccccacaagc	tgccatgggt	ggattattgg	agaacatggt	gattctagt	tgcccttatg	660
43	gagtggtgtg	aatgttgctg	gtgttgctct	gaagactctg	gaccctaaat	taggaacgga	720
45	ttcagataag	gaacactgga	aaaatatcca	taaacaagtt	attcaaagtg	cctatgaaat	780
47	tatcaagctg	aaggggtata	cctcttgggc	tattggactg	tctgtgatgg	atctggtagg	840
49	atccattttg	aaaaatctta	ggagagtgc	cccagtttcc	accatggtta	agggtattata	900
51	tggataaaaa	gaagaactct	ttctcagtat	cccttggtgc	ttggggcgga	atggtgtctc	960
53	agatgttttg	aaaattaact	tgaattctga	ggaggaggcc	cttttcaaga	agagtgcaga	1020
55	aacacttttg	aatattcaaa	aggatcta	attttaaatt	aaagccttct	aatgttccac	1080
57	tggtttggaga	acagaagata	gcaggctgtg	tattttaaat	tttgaaagta	ttttcattga	1140
59	tcttaaaaaa	taaaaacaaa	ttggagacct	g			1171

62 <210> SEQ ID NO: 2

63 <211> LENGTH: 1053

64 <212> TYPE: DNA

65 <213> ORGANISM: Homo sapiens

67 <400> SEQUENCE: 2

68	ctgtcggttg	tgtatttttc	tggtgtcact	tctgtgcctt	ccttcaaagg	ttctccaaat	60
70	gtcaactgtc	aaggagcagc	taattgagaa	gctaattgag	gatgatgaaa	actcccagtg	120
72	taaaattact	attggttgaa	ctggtgccgt	aggcatggct	tgtgctatta	gtatcttact	180
74	gaagattaca	gtgtatctgc	aaactccaga	atagttattg	tcacagcagg	tgcaaggcag	240

Does Not Comply
Corrected Diskette Needed

CP2.15

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,443

TIME: 10:11:21

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

```

76 caggagggag aaactcgcct tgccctggct caacgtaatg tggctataat gaaatcaatc 300
78 attcctgcc a tagtccatta tagtcctgat tgtaaaattc ttgttggttc aaatccagtg 360
80 gatattttga catatatagt ctggaagata agtggcttac ctgtaactcg tgtaattgga 420
82 agtgggttga atctagactc tgcccgtttc cgttacctaa ttggagaaaa gttgggtgct 480
84 caccacacaa gctgccatgg ttggattatt ggagaacatg gtgattctag tgtgccctta 540
86 tggagtgggg tgaatgttgc tgggtgtgct ctgaagactc tggaccctaa attaggaacg 600
88 gattcagata aggaacactg gaaaaaatat cataaacaag ttattcaaag tgcctatgaa 660
90 attatcaagc tgaaggggta tacctcttgg gctattggac tgtctgtgat ggatctggta 720
92 ggatccattt tgaaaaatct taggagagtg caccagttt ccaccatggt taagggtgta 780
94 tatggaataa aagaagaact cttctcagt atcccttggt tcttggggcg gaatgggtgc 840
96 tcagatgttg tgaaaattaa cttgaattct gaggaggagg cccttttcaa gaagagtgca 900
98 gaaacacttt ggaatattca aaaggatcta atattttaaa ttaaagcctt ctaatgttcc 960
100 actgttttga gaacagaaga tagcaggctg tgtattttaa attttgaaag tattttcatt 1020
102 gatcttaaaa aataaaaaca aattggagac ctg 1053
105 <210> SEQ ID NO: 3
106 <211> LENGTH: 879
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 3
111 ctgtcgttgg tgtatttttc tgggtgtcact tctgtgcctt ccttcaaagg ttctccaaat 60
113 gtcaactgtc aaggagcagc taattgagaa gctaattgag gatgatgaaa actcccagtg 120
115 taaaattact attgttgga ctggtgccgt aggcattggct tgtgctatta gtatcttact 180
117 gaagtggata ttttgacata tatagtctgg aagataagtg gcttacctgt aactcgtgta 240
119 attggaagtg gttgtaatct agactctgcc cgtttccgtt acctaattgg agaaaagttg 300
121 ggtgtccacc ccacaagctg ccattggttg attattggag aacatggtga ttctagtgtg 360
123 cccttatgga gtggggtgaa tgttgctggt gttgctctga agactctgga ccctaaatta 420
125 ggaacggatt cagataagga acactggaaa aatatccata aacaagttat tcaaagtgcc 480
127 tatgaaatta tcaagctgaa ggggtatacc tcttgggcta ttggactgtc tgtgatggat 540
129 ctggttaggat ccattttgaa aaatcttagg agagtgcacc cagtttccac catggttaag 600
131 ggattatatg gaataaaaga agaactcttt ctcagtatcc cttgtgtctt ggggcggaat 660
133 ggtgtctcag atgttgtgaa aattaacttg aattctgagg aggaggccct tttcaagaag 720
135 agtgcagaaa cactttggaa tattcaaaag gatctaatat tttaaattaa agccttctaa 780
137 tgttccactg tttggagaac agaagatagc aggtctgtga ttttaaattt tgaaagtatt 840
139 ttcattgatc ttaaaaaata aaaacaaatt ggagacctg 879
142 <210> SEQ ID NO: 4
143 <211> LENGTH: 811
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 4
148 ctgtcgttgg tgtatttttc tgggtgtcact tctgtgcctt ccttcaaagg ttctccaaat 60
150 gtcaactgtc aaggagcagc taattgagaa gctaattgag gatgatgaaa actcccagtg 120
152 taaaattact attgttgga ctggtgccgt aggcattggct tgtgctatta gtatcttact 180
154 gaagattaca gtgtatctgc aaactccaga atagttattg tcacagcagg tgcaaggcag 240
156 caggaggagg aaactcgcct tgccctggct caacgtaatg tggctataat gaaatcaatc 300
158 attcctgcc a tagtccatta tagtcctgat tgtaaaattc ttgttggttc aaatccagtg 360
160 gatattttga catatatagt ctggaagata agtggcttac ctgtaactcg tgtaattgga 420
162 agtgggttga atctagactc tgcccgtttc cgttacctaa ttggagaaaa gttgggtgct 480
164 caccacacaa gctgccatgg ttggattatt ggagaacatg gtgattctag tgggattata 540
166 tggaataaaa gaagaactct ttctcagtat cccttgtgtc ttggggcgga atggtgtctc 600

```

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,443

TIME: 10:11:21

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

```

168 agatgttggtg aaaattaact tgaattctga ggaggaggcc cttttcaaga agagtgcaga 660
170 aacacttttg aatattcaaa aggatctaatt attttaaaatt aaagccttct aatgttccac 720
172 tgtttgagaga acagaagata gcaggctgtg tattttaaat tttgaaagta ttttcattga 780
174 tcttaaaaaa taaaaacaaa ttggagacct g 811

```

177 <210> SEQ ID NO: 5

178 <211> LENGTH: 1047

179 <212> TYPE: DNA

180 <213> ORGANISM: Homo sapiens

182 <400> SEQUENCE: 5

```

183 ctgtcgttgg tgtatttttc tgggtgcact tctgtgcctt ctttcaaagg ttctccaaat 60
185 gtcaactgtc aaggagcagc taattgagaa gctaattgag gatgatgaaa actcccagtg 120
187 taaaattact attgttgga ctgggtgccgt aggcattggct tgtgctatta gtatcttact 180
189 gaaggatttg gctgatgaac ttgcccttgt tgatgttgca ttggacaaac tgaagggaga 240
191 aatgatggat cttcagcatg gcagtccttt ctttagtact tcaaagatta cttctggaaa 300
193 agattacagt gtatctgcaa actccagaat agttattgtc acagcagggt caaggcagca 360
195 ggaggggagaa actcgccttg ccttggtcca acgtaatgtg gctataatga aatcaatcat 420
197 tcttgccata gtccattata gtctgattg taaaattctt gttgtttcaa atccagtggg 480
199 tattttgaca tatatagtct ggaagataag tggcttacct gtaactcgtg taattggaag 540
201 tgggtgtaat ctagactctg cccgtttccg ttacctaatt ggagaaaagt tgggtgtcca 600
203 cccacaagc tgccatgggt ggattattgg agaacatggt gattctagtg tgcccttatg 660
205 gagtgggggtg aatgttgctg gtgttgctct gaagactctg gaccctaaat taggaacgga 720
207 ttcagataag gaacactgga aaaatatcca taaacaagtt attcaaaggg attatatgga 780
209 ataaaagaag aactctttct cagtatccct tgtgtcttgg ggcggaatgg tgtctcagat 840
211 gttgtgaaaa ttaacttgaa ttctgaggag gaggcccttt tcaagaagag tgcagaaaca 900
213 ctttggaata ttcaaaagga tctaatttt taaattaaag ctttctaatt ttccactgtt 960
215 tggagaacag aagatagcag gctgtgtatt ttaaattttg aaagtatttt cattgatctt 1020
217 aaaaaataaa aacaaattgg agacctg 1047

```

220 <210> SEQ ID NO: 6

221 <211> LENGTH: 332

222 <212> TYPE: PRT

223 <213> ORGANISM: Homo sapiens

225 <400> SEQUENCE: 6

```

227 Met Ser Thr Val Lys Glu Gln Leu Ile Glu Lys Leu Ile Glu Asp Asp
228 1 5 10 15
231 Glu Asn Ser Gln Cys Lys Ile Thr Ile Val Gly Thr Gly Ala Val Gly
232 20 25 30
235 Met Ala Cys Ala Ile Ser Ile Leu Leu Lys Asp Leu Ala Asp Glu Leu
236 35 40 45
239 Ala Leu Val Asp Val Ala Leu Asp Lys Leu Lys Gly Glu Met Met Asp
240 50 55 60
243 Leu Gln His Gly Ser Leu Phe Phe Ser Thr Ser Lys Ile Thr Ser Gly
244 65 70 75 80
247 Lys Asp Tyr Ser Val Ser Ala Asn Ser Arg Ile Val Ile Val Thr Ala
248 85 90 95
251 Gly Ala Arg Gln Gln Glu Gly Glu Thr Arg Leu Ala Leu Val Gln Arg
252 100 105 110
255 Asn Val Ala Ile Met Lys Ser Ile Ile Pro Ala Ile Val His Tyr Ser
256 115 120 125
259 Pro Asp Cys Lys Ile Leu Val Val Ser Asn Pro Val Asp Ile Leu Thr

```

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,443

TIME: 10:11:21

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

```

260      130      135      140
263 Tyr Ile Val Trp Lys Ile Ser Gly Leu Pro Val Thr Arg Val Ile Gly
264 145      150      155      160
267 Ser Gly Cys Asn Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu
268      165      170      175
271 Lys Leu Gly Val His Pro Thr Ser Cys His Gly Trp Ile Ile Gly Glu
272      180      185      190
275 His Gly Asp Ser Ser Val Pro Leu Trp Ser Gly Val Asn Val Ala Gly
276      195      200      205
279 Val Ala Leu Lys Thr Leu Asp Pro Lys Leu Gly Thr Asp Ser Asp Lys
280      210      215      220
283 Glu His Trp Lys Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu
284 225      230      235      240
287 Ile Ile Lys Leu Lys Gly Tyr Thr Ser Trp Ala Ile Gly Leu Ser Val
288      245      250      255
291 Met Asp Leu Val Gly Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro
292      260      265      270
295 Val Ser Thr Met Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe
296      275      280      285
299 Leu Ser Ile Pro Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val
300      290      295      300
303 Lys Ile Asn Leu Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala
304 305      310      315      320
307 Glu Thr Leu Trp Asn Ile Gln Lys Asp Leu Ile Phe
308      325      330
311 <210> SEQ ID NO: 7
312 <211> LENGTH: 51
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 7
318 Met Ser Thr Val Lys Glu Gln Leu Ile Glu Lys Leu Ile Glu Asp Asp
319 1      5      10      15
322 Glu Asn Ser Gln Cys Lys Ile Thr Ile Val Gly Thr Gly Ala Val Gly
323      20      25      30
326 Met Ala Cys Ala Ile Ser Ile Leu Leu Lys Ile Thr Val Tyr Leu Gln
327      35      40      45
330 Thr Pro Glu
331      50
334 <210> SEQ ID NO: 8
335 <211> LENGTH: 216
336 <212> TYPE: PRT
337 <213> ORGANISM: Homo sapiens
339 <400> SEQUENCE: 8
341 Met Lys Ser Ile Ile Pro Ala Ile Val His Tyr Ser Pro Asp Cys Lys
342 1      5      10      15
345 Ile Leu Val Val Ser Asn Pro Val Asp Ile Leu Thr Tyr Ile Val Trp
346      20      25      30
349 Lys Ile Ser Gly Leu Pro Val Thr Arg Val Ile Gly Ser Gly Cys Asn
350      35      40      45

```

RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,443

TIME: 10:11:21

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

```

353 Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu Lys Leu Gly Val
354      50                      55                      60
357 His Pro Thr Ser Cys His Gly Trp Ile Ile Gly Glu His Gly Asp Ser
358 65                      70                      75                      80
361 Ser Val Pro Leu Trp Ser Gly Val Asn Val Ala Gly Val Ala Leu Lys
362                      85                      90                      95
365 Thr Leu Asp Pro Lys Leu Gly Thr Asp Ser Asp Lys Glu His Trp Lys
366                      100                      105                      110
369 Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu Ile Ile Lys Leu
370                      115                      120                      125
373 Lys Gly Tyr Thr Ser Trp Ala Ile Gly Leu Ser Val Met Asp Leu Val
374      130                      135                      140
377 Gly Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro Val Ser Thr Met
378 145                      150                      155                      160
381 Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe Leu Ser Ile Pro
382                      165                      170                      175
385 Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val Lys Ile Asn Leu
386                      180                      185                      190
389 Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala Glu Thr Leu Trp
390                      195                      200                      205
393 Asn Ile Gln Lys Asp Leu Ile Phe
394      210                      215
397 <210> SEQ ID NO: 9
398 <211> LENGTH: 45
399 <212> TYPE: PRT
400 <213> ORGANISM: Homo sapiens
402 <400> SEQUENCE: 9
404 Met Ser Thr Val Lys Glu Gln Leu Ile Glu Lys Leu Ile Glu Asp Asp
405 1                      5                      10                      15
408 Glu Asn Ser Gln Cys Lys Ile Thr Ile Val Gly Thr Gly Ala Val Gly
409                      20                      25                      30
412 Met Ala Cys Ala Ile Ser Ile Leu Leu Lys Trp Ile Phe
413      35                      40                      45
416 <210> SEQ ID NO: 10
417 <211> LENGTH: 76
418 <212> TYPE: PRT
419 <213> ORGANISM: Homo sapiens
421 <400> SEQUENCE: 10
423 Met Asp Leu Val Gly Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro
424 1                      5                      10                      15
427 Val Ser Thr Met Val Lys Gly Leu Tyr Gly Ile Lys Glu Glu Leu Phe
428                      20                      25                      30
431 Leu Ser Ile Pro Cys Val Leu Gly Arg Asn Gly Val Ser Asp Val Val
432      35                      40                      45
435 Lys Ile Asn Leu Asn Ser Glu Glu Glu Ala Leu Phe Lys Lys Ser Ala
436      50                      55                      60
439 Glu Thr Leu Trp Asn Ile Gln Lys Asp Leu Ile Phe
440 65                      70                      75
443 <210> SEQ ID NO: 11

```

VERIFICATION SUMMARY

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,443

TIME: 10:11:22

Input Set : N:\FANTU\10506443.txt

Output Set: N:\CRF4\09142004\J506443.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date